

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

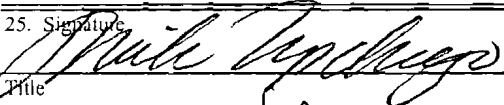
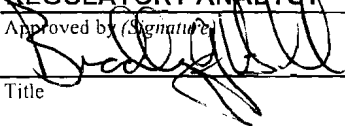
FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-25880</b>
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator <b>KERR McGEE OIL &amp; GAS ONSHORE LP</b>		7. If Unit or CA Agreement, Name and No.
3a. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>		8. Lease Name and Well No. <b>BITTER CREEK 1122-6C</b>
3b. Phone No. (include area code) <b>(435) 781-7024</b>		9. API Well No. <b>43-047-38119</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* <b>39.875513</b> At surface <b>NENW 616'FNL, 1801'FWL (LOT 3) 628291X</b> At proposed prod. Zone <b>4417028Y 109.497410</b>		10. Field and Pool, or Exploratory <b>BITTER CREEK UNDERMOUNTAIN</b>
11. Sec., T., R., M., or Blk. and Survey or Area <b>SEC 6, T11S, R22E</b>		12. County or Parish <b>UINTAH</b>
13. State <b>UTAH</b>		
14. Distance in miles and direction from nearest town or post office* <b>39.7 MILES SOUTHEAST OF OURAY, UTAH</b>	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>616'</b>	16. No. of Acres in lease <b>614.64</b>
17. Spacing Unit dedicated to this well <b>40.00</b>	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>	19. Proposed Depth <b>8630'</b>
20. BLM/BIA Bond No. on file <b>BOND NO. 2971100-2533</b>	21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5511'GL</b>	22. Approximate date work will start*
23. Estimated duration		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized office.

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>5/10/2006</b>
Title <b>REGULATORY ANALYST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>05-22-06</b>
Title <b>ENVIRONMENTAL MANAGER</b>		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

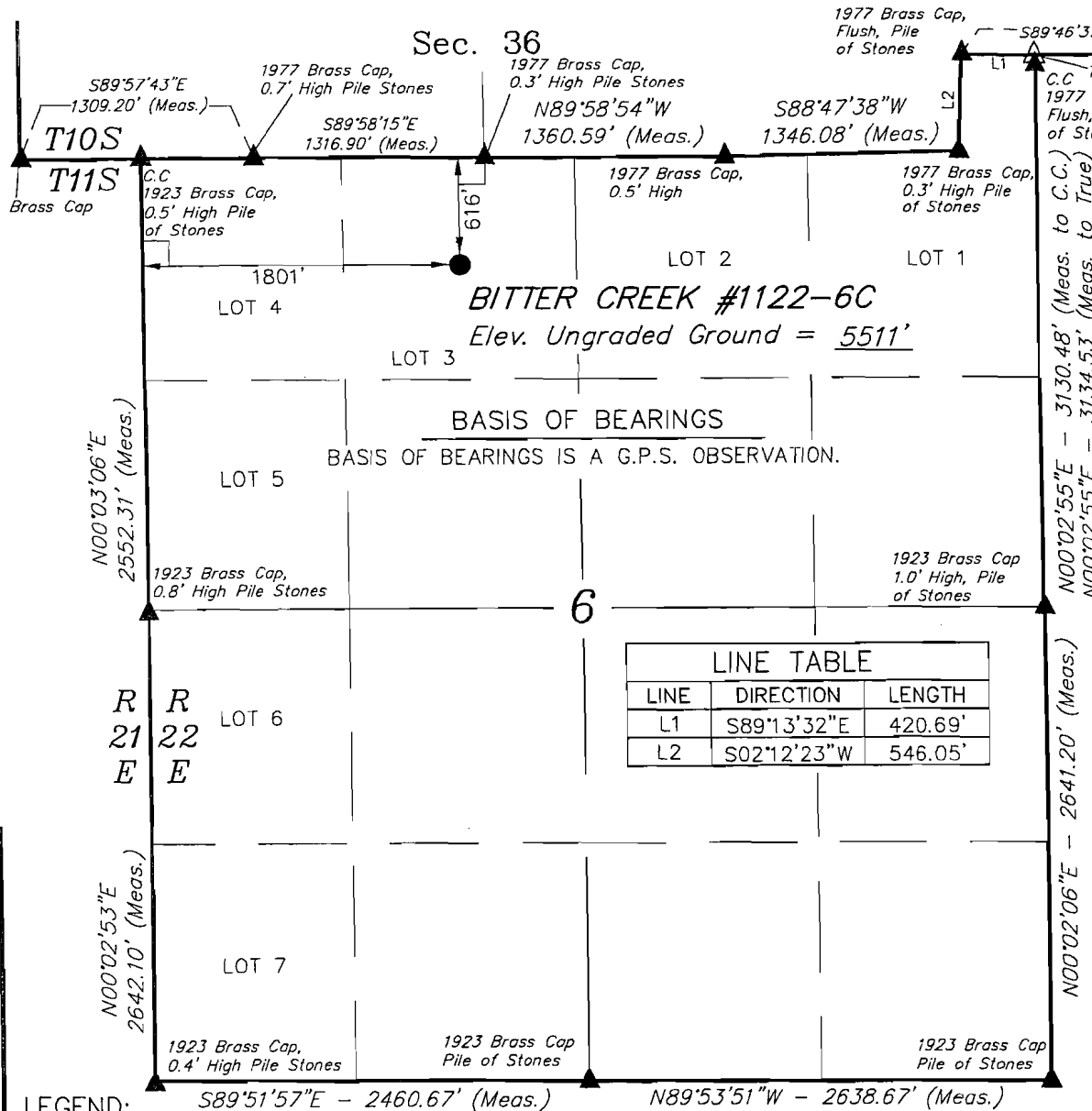
Federal Approval of this  
Action Is Necessary

MAY 15 2006

DIV. OF OIL, GAS & MIN.

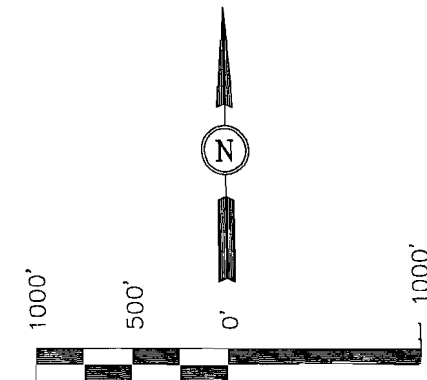
T11S, R22E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP  
Well location, BITTER CREEK #1122-6C, located  
as shown in Lot 3 of Section 6, T11S, R22E,  
S.L.B.&M. Uintah County, Utah.



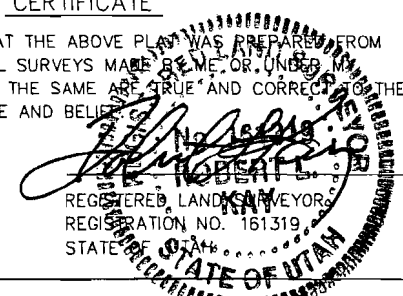
### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE  
NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN  
FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH,  
UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC  
MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT  
OF THE INTERIOR, GEOLOGICAL SURVEY. SAID  
ELEVATION IS MARKED AS BEING 5238 FEET.



### SCALE CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME, OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-20-06	DATE DRAWN: 03-23-06
PARTY J.R. L.M. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

**BITTER CREEK 1122-6C  
NE/NW LOT 3, SECTION 6, T11S, R22E  
UINTAH COUNTY, UTAH  
UTU-25880**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	926'
Top of Birds Nest Water	1207'
Mahogany	1737'
Wasatch	4011'
Mesaverde	6560'
MVU2	7546'
MVL1	8169'
TD	8630'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	926'
	Top of Birds Nest Water	1207'
	Mahogany	1737'
Gas	Wasatch	4011'
Gas	Mesaverde	6560'
Gas	MVU2	7546'
Gas	MVL1	8169'
Water	N/A	
Other Minerals	N/A	

**3. Pressure Control Equipment (Schematic Attached)**

*Please refer to the attached Drilling Program.*

**4. Proposed Casing & Cementing Program:**

*Please refer to the attached Drilling Program.*

**5. Drilling Fluids Program:**

*Please refer to the attached Drilling Program.*

**6. Evaluation Program:**

*Please refer to the attached Drilling Program.*

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7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8630' TD, approximately equals 5351 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3452 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please refer to the attached Drilling Program.*

10. **Other Information:**

*Please refer to the attached Drilling Program.*



# KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	May 10, 2006	
WELL NAME	BITTER CREEK 1122-6C	TD	8,630'	MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah	STATE Utah
		ELEVATION	5,511' GL	KB 5,526'
SURFACE LOCATION	NENW SECTION 6, T11S, R22E 616'FNL, 1801'FWL			BHL Straight Hole
	Latitude: 39.894925	Longitude:	109.500131	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde			
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.			

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to					
	Green River @	0,926'			
	Top of Birds Nest Water @	1207"			
	Preset f/ GL @				
	1,710' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
	Mahogany @	1,737'			
Mud logging program TBD					
Open hole logging program f/ TD - surf csg					
	Wasatch @	4,011'			
	Mverde @	6,560'			
	MVU2 @	7,546'			
	MVL1 @	8,169'			
			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.0 ppg
					Max anticipated Mud required 11.0 ppg
		TD @ 8,630'			



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 1710	32.30	H-40	STC	0.75*****	1.71	5.25
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8630	11.60	I-80	LTC	2.56	1.29	2.30

1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TD)

(Burst Assumptions: TD = 11.0 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing \* Buoy. Fact. of water)

MASP 3038 psi

\*\*\*\*\* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

## CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,510'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	390	60%	11.00	3.38
	TAIL	5,120'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1430	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

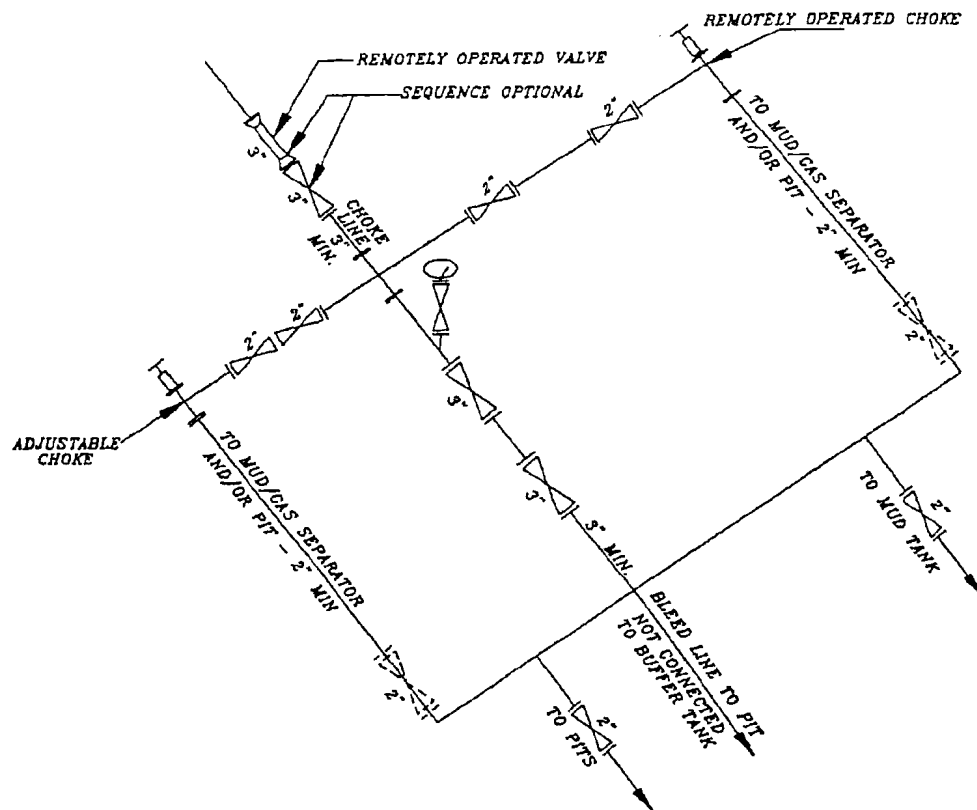
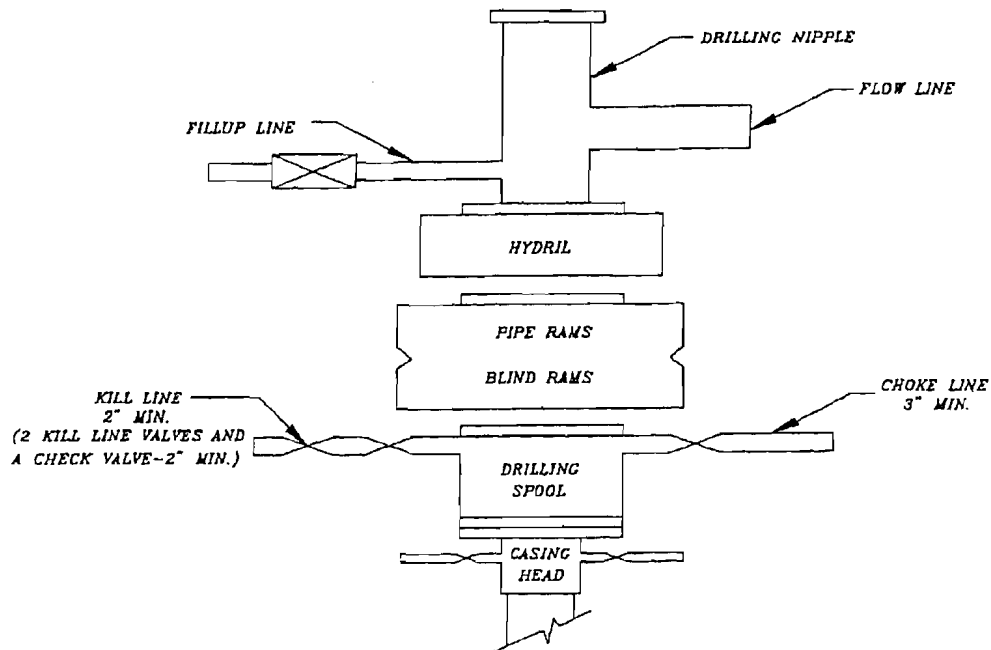
DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**BITTER CREEK 1122-6C  
NE/NW LOT 3, SECTION 6, T11S, R22E  
UINTAH COUNTY, UTAH  
UTU-25880**

**ONSHORE ORDER NO. 1**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Directions to the proposed location are attached.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

**2. Planned Access Roads:**

The proposed access road is approximately 0.2 +/- miles of proposed access road. Refer to Topo Map B.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

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**4. Location of Existing & Proposed Facilities & Pipelines:**

*The following guidelines will apply if the well is productive.*

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

**Variances to Best Management Practices (BMP) Requests:**

Approximately 1200' of 4" steel pipeline shall run to the proposed pipeline in Sec 6, T11S, R22E. The pipeline will be butt-welded together. The pipeline shall be installed on surface within access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

**5. Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

**6. Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

**7. Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

*Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec.35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. (Request is in lieu of filing Form 3160-5, after initial production).*

**8. Ancillary Facilities:**

None are anticipated.

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9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

*Producing Location:*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

*Dry Hole/Abandoned Location:*

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for drilled seeds are:

Crested Wheatgrass	4 lbs.
Needle and Thread Grass	4 lbs
Indian Rice Grass	4 lbs.

The operator shall call BLM for the seed mixture when final reclamation occurs.

**11. Surface Ownership:**

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435) 781-4400

**12. STIPULATIONS:****WILDLIFE STIPULATIONS:**

**ANTELOPE STIPULATIONS:** No drilling or construction from May 15<sup>th</sup> through June 20<sup>th</sup>.

**13. Other Information:**

A Class III Archaeological Survey has been performed and completed on May 2, 2006, the Archaeological Report No. 06-141.

The Paleontological Reconnaissance Survey has been performed will be submitted when report becomes available.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these

conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

13. **Lessee's or Operators's Representative & Certification:**

Sheila Upchego  
Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Westport Oil & Gas Company agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #2971100-2533.

I hereby certify that the proposed drill site and access route has been inspected and that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

May 10, 2006  
Date

**Kerr-McGee Oil & Gas Onshore LP**  
**BITTER CREEK #1122-6C**  
**SECTION 6, T11S, R22E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 10.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 300' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD FOR THE BITTER CREEK #1122-5E TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 150' TO THE PROPOSED ACCESS ROAD FOR THE BITTER CREEK #1122-6A TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE PROPOSED ACCESS ROAD FOR THE BITTER CREEK #1122-6B TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED BITTER CREEK #1122-6B LOCATION, AND PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.95 MILES.

# Kerr-McGee Oil & Gas Onshore LP

## BITTER CREEK #1122-6C

LOCATED IN UTAH COUNTY, UTAH

SECTION 6, T11S, R22E, S1.B.&M.

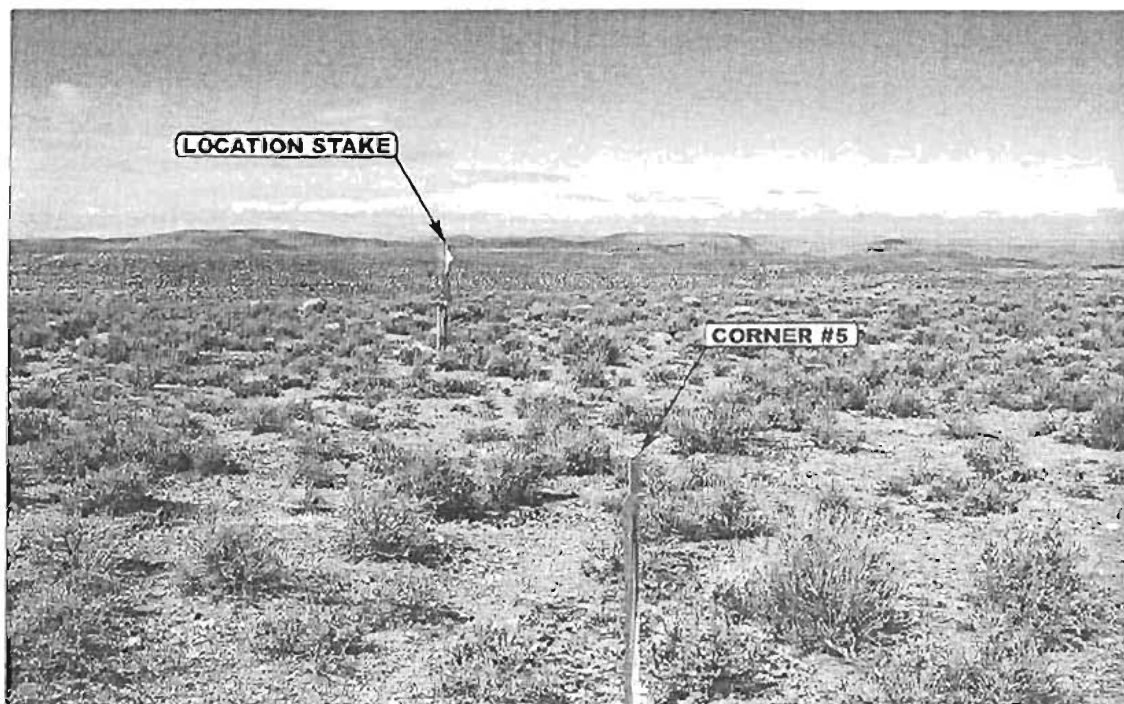


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



• Since 1962 •

**E&LS**

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

03 27 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: J.R.

DRAWN BY: LDK

REVISED: 00-00-00

**Kerr-McGee Oil & Gas Onshore LP**  
**BITTER CREEK #1122-6C**  
 PIPELINE ALIGNMENT  
 LOCATED IN UINTAH COUNTY, UTAH  
 SECTION 6, T11S, R22E, S.L.B.&M.



PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: EASTERLY



• Since 1964 •



Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

03 27 06  
 MONTH DAY YEAR

PHOTO

TAKEN BY: J.R. DRAWN BY: LOK REVISED: 00-00-00



**LEGEND:**

**⊙ PROPOSED LOCATION****Kerr-McGee Oil & Gas Onshore LP**

**BITTER CREEK #1122-6C**

**SECTION 6, T11S, R22E, S.L.B.&M.**

**616' FNL 1801' FWL**



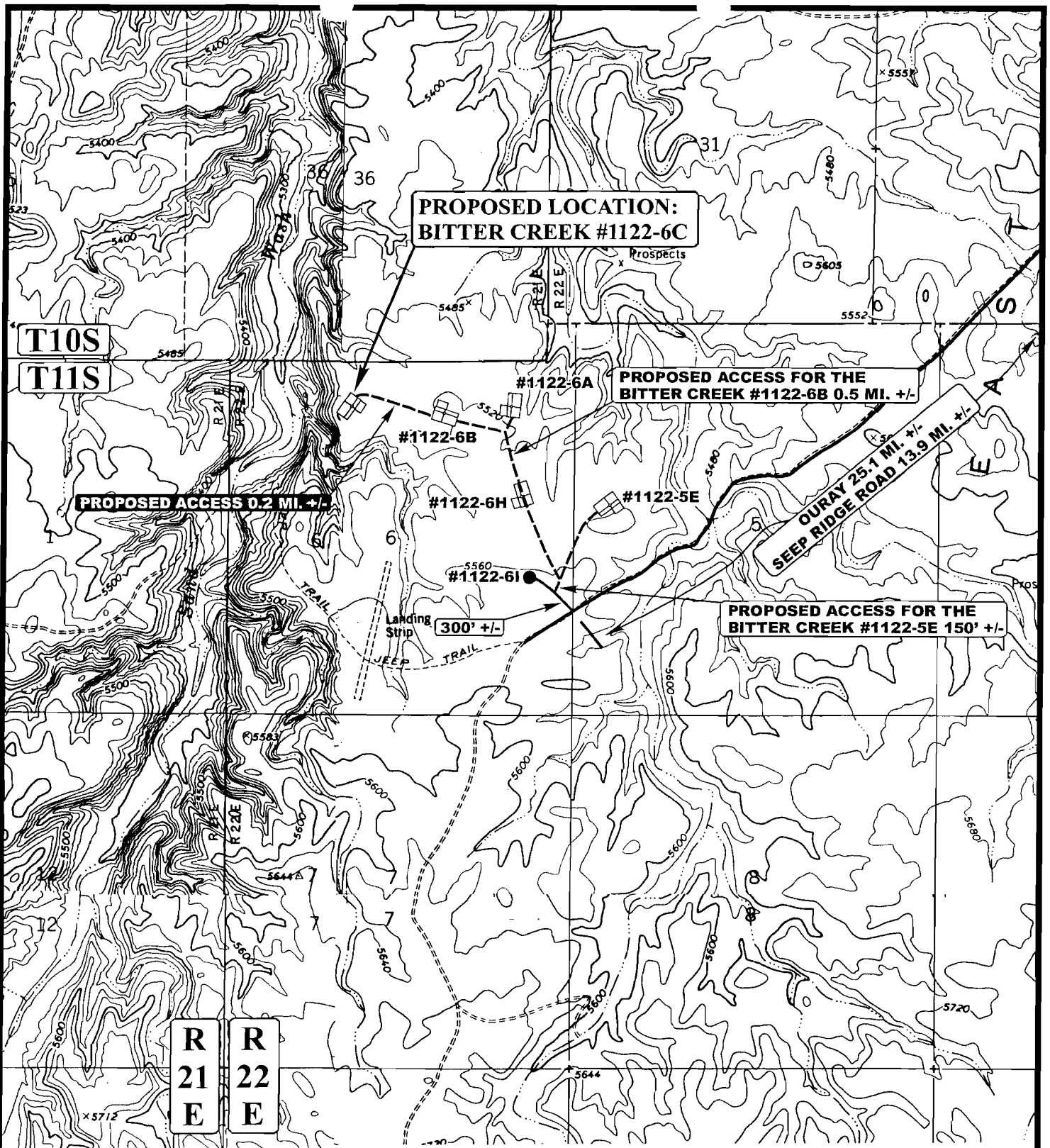
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

03	27	06
MONTH	DAY	YEAR

SCALE: 1:100,000	DRAWN BY: LDK	REVISED: 00-00-00
------------------	---------------	-------------------





# **LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD



**Kerr-McGee Oil & Gas Onshore LP**  
**BITTER CREEK #1122-6C**  
**SECTION 6, T11S, R22E, S.L.B.&M.**  
**616' FNL 1801' FWL**



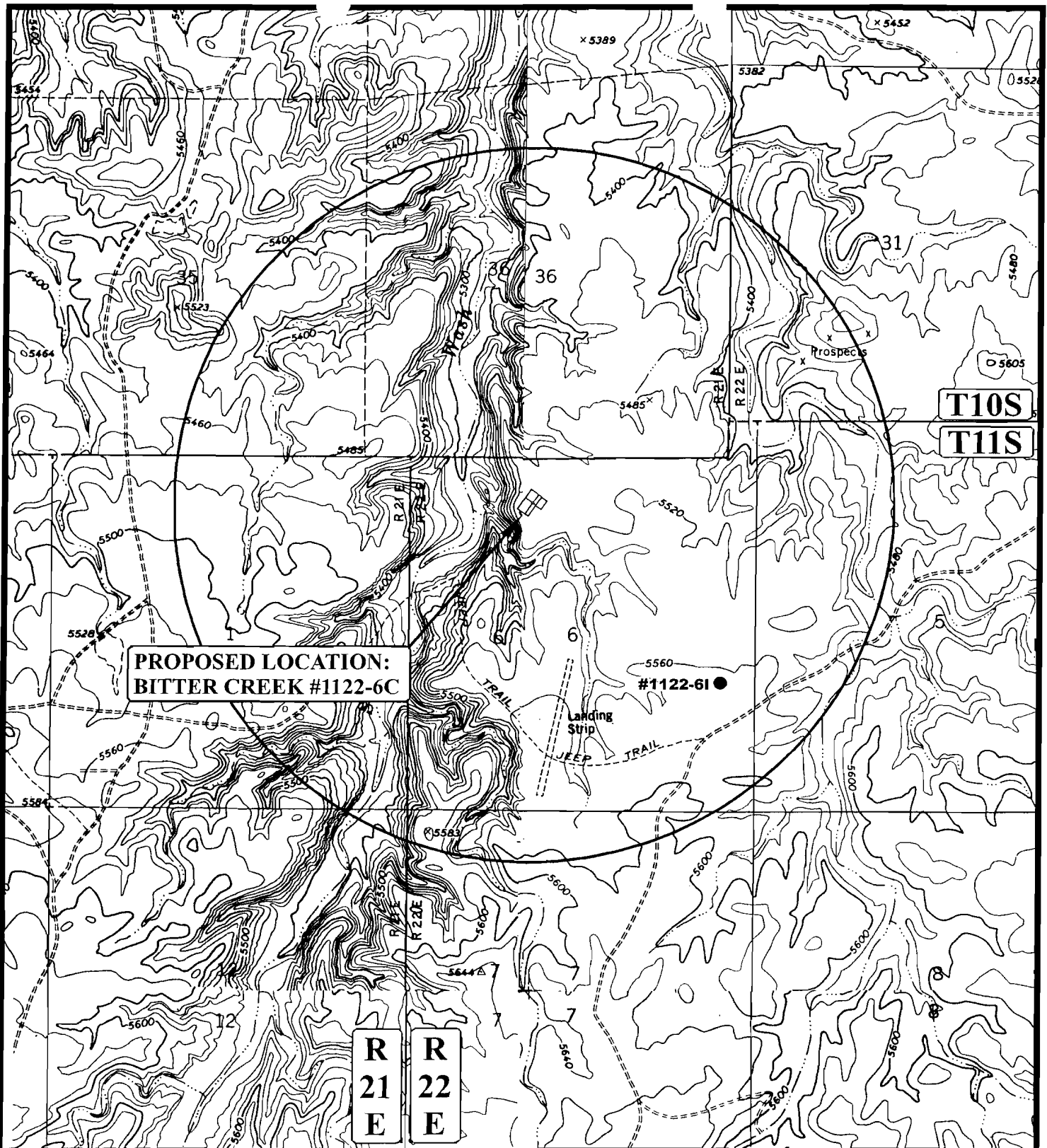
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**03 27 06**  
 MONTH DAY YEAR

**SCALE: 1" = 2000'** **DRAWN BY: LDK** **REVISED: 00-00-00**





# LEGEND:

- |                   |                         |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS  | ⊗ WATER WELLS           |
| ● PRODUCING WELLS | ● ABANDONED WELLS       |
| ● SHUT IN WELLS   | ● TEMPORARILY ABANDONED |



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**Kerr-McGee Oil & Gas Onshore LP**

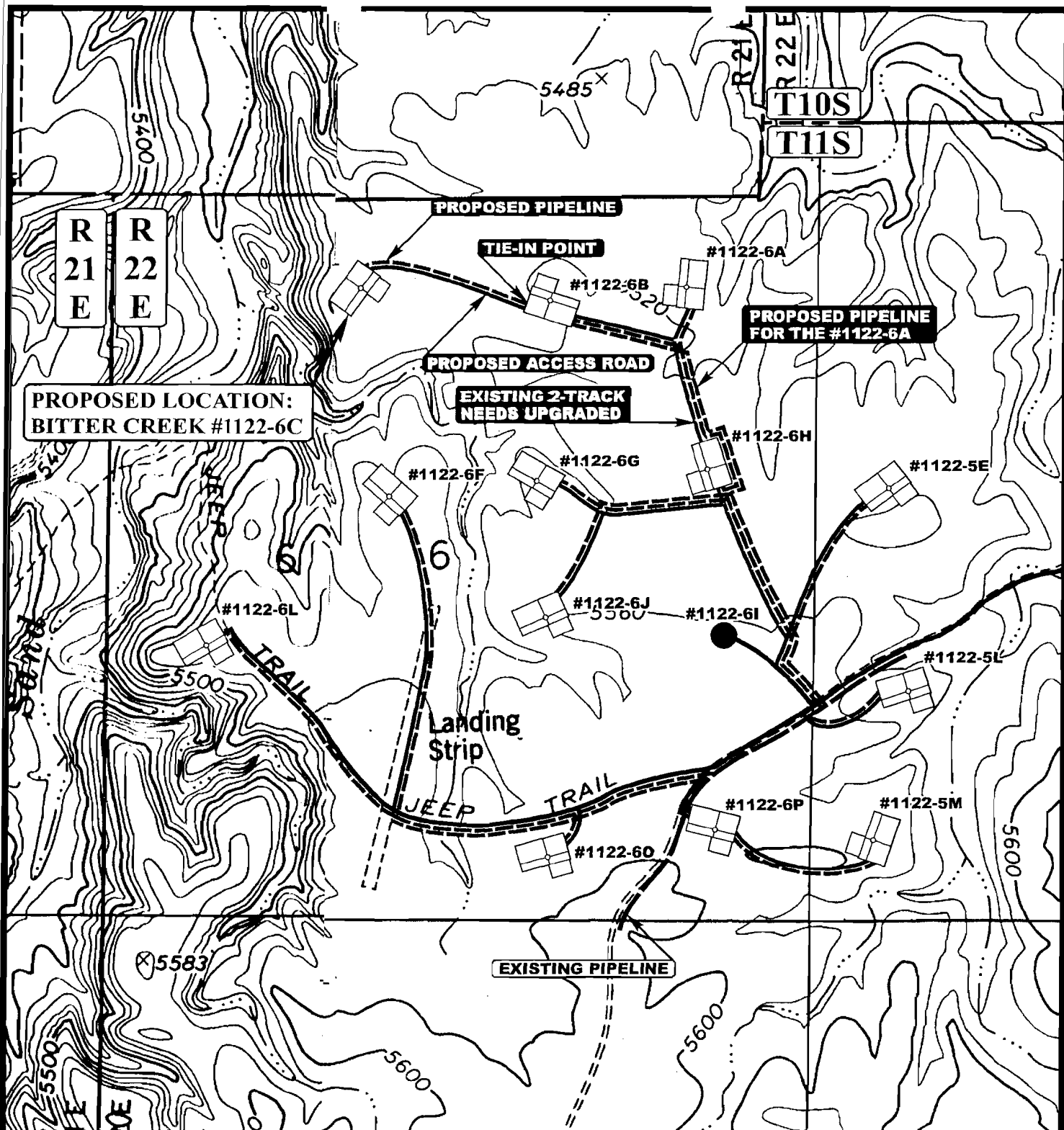
**BITTER CREEK #1122-6C**  
**SECTION 6, T11S, R22E, S.L.B.&M.**  
**616' FNL 1801' FWL**

**TOPOGRAPHIC**  
**MAP**

**03 27 06**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: LDK REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,200' +/-

# LEGEND:

	PROPOSED ACCESS ROAD
	EXISTING 2-TRACK NEEDS UPGRADED
	EXISTING PIPELINE
	PROPOSED PIPELINE
	PROPOSED PIPELINE (SERVICING OTHER WELLS)

Kerr-McGee Oil & Gas Onshore LP

BITTER CREEK #1122-6C  
SECTION 6, T11S, R22E, S.L.B.&M.  
616' FNL 1801' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC  
MAP

03 27 06  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: LDK REVISED: 04-21-06C.P.

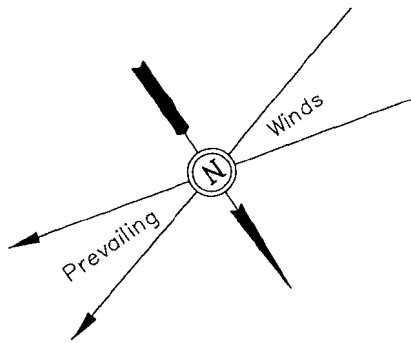


# Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

## LOCATION LAYOUT FOR

BITTER CREEK #1122-6C  
SECTION 6, T11S, R22E, S.L.B.&M.  
616' FNL 1801' FWL



SCALE: 1" = 50'  
DATE: 03-24-06  
Drawn By: C.H.

NOTE:  
Flare Pit is to be located  
a min. of 100' from the  
Well Head.

C-4.0'  
El. 514.7'

C-2.3'  
El. 513.0'

F-3.4'  
El. 507.3'

Approx.  
Top of  
Cut Slope

Pit Topsoil

PIPE TUBS

PIPE RACKS

CATWALK

C-0.6'  
El. 511.3'

El. 515.6'  
C-14.9'  
(btm. pit)

FLARE PIT

C-2.3'  
El. 513.0'

Bloole Line

RESERVE PITS  
(10' Deep)

Total Pit Capacity  
W/2' of Freeboard  
= 15,490 Bbls. ±  
Total Pit Volume  
= 4,280 Cu. Yds.

Reserve Pit Backfill  
& Spoils Stockpile

15' WIDE BENCH

150'

100'

1 1/2:1 Slope

C-2.2'  
El. 512.9'

MUD TANKS

MUD TANKS

PUMP HOUSE

TRASH

F-0.1'  
El. 510.6'

PROpane STORAGE

58'

4

F-0.2'  
El. 510.5'

RIG

DOG HOUSE

135'

150'

BOILER

COMPRESSOR

BOOSTER

Sta. 0+50

Round Corners  
as Needed

Sta. 0+00

2

F-1.4'  
El. 509.3'

Proposed Access  
Road

3

5511.3'

5510.7'

Sta. 3+50

Approx.  
Toe of  
Fill Slope

Topsoil Stockpile

1

F-4.2'  
El. 506.5'

TOILET

TRAILER

WATER TANK

4

5

6

7

8

## NOTES:

Elev. Ungraded Ground At Loc. Stake =  
FINISHED GRADE ELEV. AT LOC. STAKE =

5511.3'  
5510.7'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

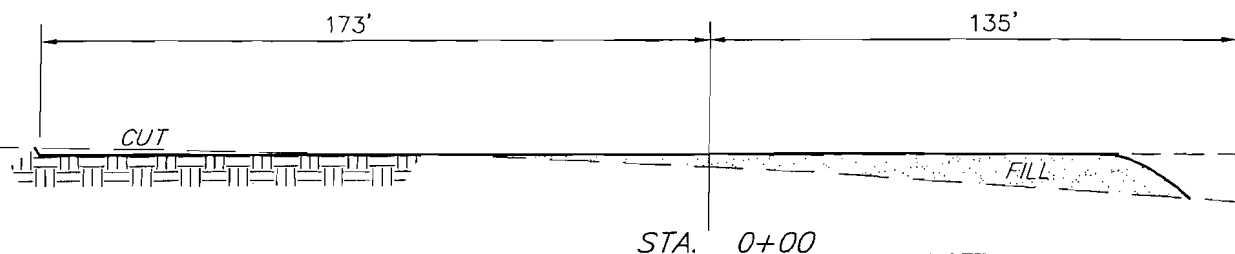
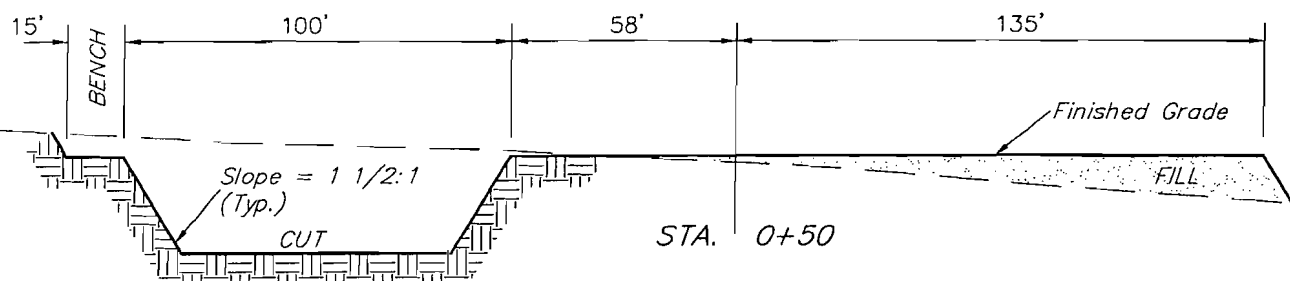
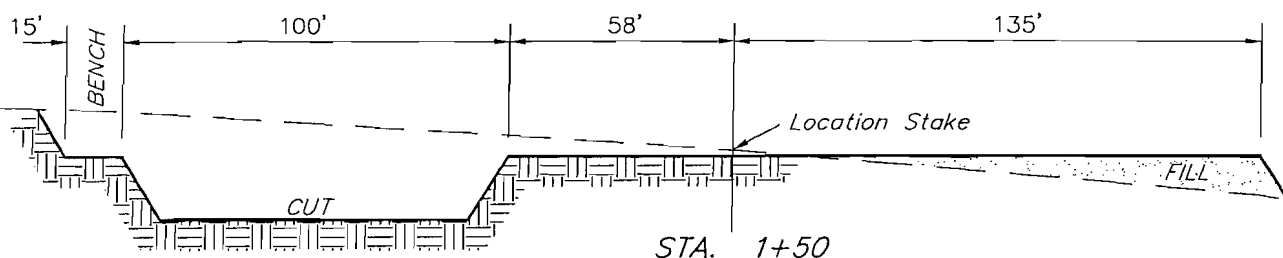
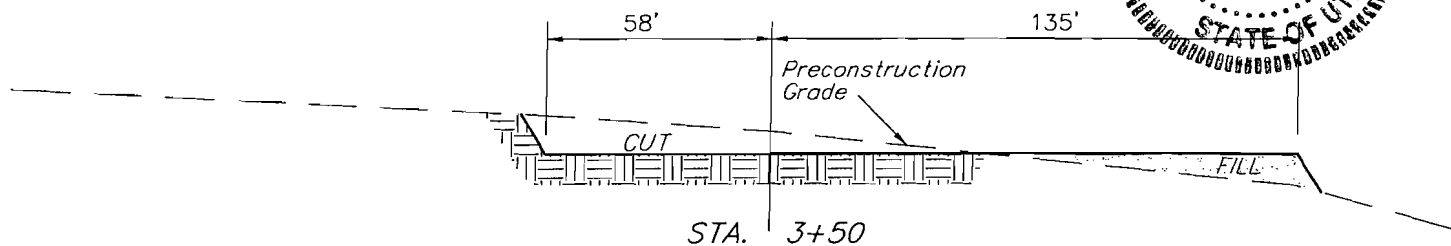
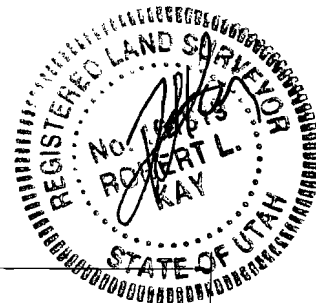
# Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR  
BITTER CREEK #1122-6C  
SECTION 6, T11S, R22E, S.L.B.&M.  
616' FNL 1801' FWL

X-Section  
Scale  
1" = 50'

DATE: 03-24-06  
Drawn By: C.H.



\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

## APPROXIMATE YARDAGES

CUT  
(6") Topsoil Stripping = 1,800 Cu. Yds.  
Remaining Location = 6,700 Cu. Yds.  
TOTAL CUT = 8,500 CU.YDS.  
FILL = 4,560 CU.YDS.

EXCESS MATERIAL = 3,940 Cu. Yds.  
Topsoil & Pit Backfill = 3,940 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/15/2006

API NO. ASSIGNED: 43-047-38119

WELL NAME: BITTER CREEK 1122-6C

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NENW 06 110S 220E

SURFACE: 0616 FNL 1801 FWL

BOTTOM: 0616 FNL 1801 FWL

COUNTY: UINTAH

LATITUDE: 39.89551 LONGITUDE: -109.4994

UTM SURF EASTINGS: 628291 NORTHINGS: 4417028

FIELD NAME: UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /		
<b>Tech Review</b>	<b>Initials</b>	<b>Date</b>
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-25880

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

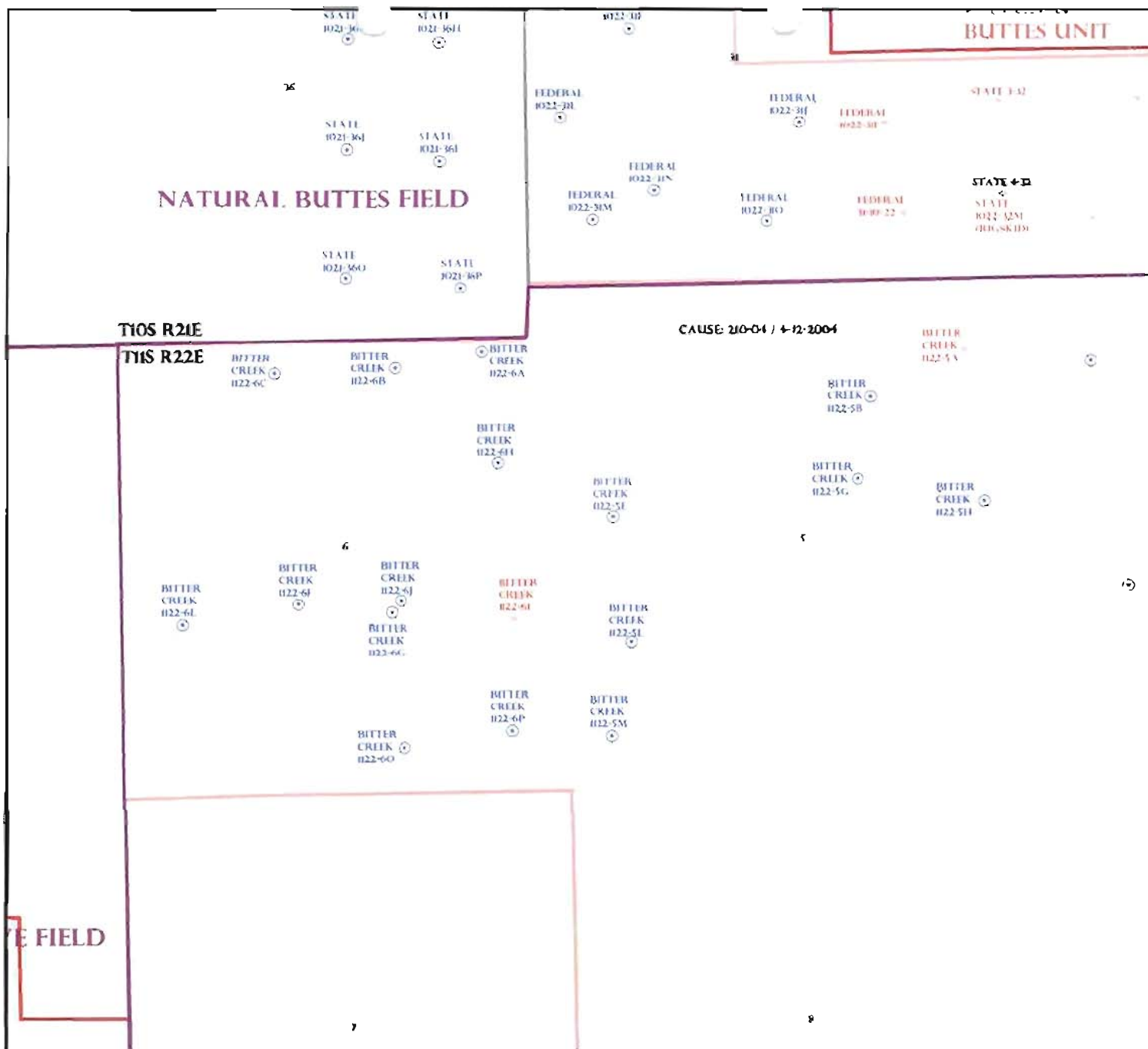
☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 2971100-2533 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-8496 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.  
Unit: \_\_\_  
\_\_\_ R649-3-2. General  
Siting: 460' From Qtr/Qtr & 920' Between Wells  
\_\_\_ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 210-04  
Eff Date: 4-12-04  
Siting: 460' From Qtr/Qtr & 920' Between Wells  
\_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1 - Federal Approval







## State of Utah

### Department of Natural Resources

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas & Mining

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

May 22, 2006

Kerr-McGee Oil & Gas Onshore, LP  
1368 South 1200 East  
Vernal, UT 84078

Re: Bitter Creek 1122-6C Well, 616' FNL, 1801' FWL, NE NW, Sec. 6,  
T. 11 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38119.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Kerr-McGee Oil & Gas Onshore, LP  
**Well Name & Number** Bitter Creek 1122-6C  
**API Number:** 43-047-38119  
**Lease:** UTU-25880

**Location:** NE NW                      **Sec.** 6                      **T.** 11 South                      **R.** 22 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR MCGEE OIL AND GAS ONSHORE, LP

3a. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)

(435)781-7003

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

616' FNL, 1801' FWL (LOT 3)  
NENW, SEC 6-T11S-R22E

5. Lease Serial No.

UTU-25880

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

BITTER CREEK 1122-6C

9. API Well No.

4304738119

10. Field and Pool, or Exploratory Area

UNDESIGNATED

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other APD EXTENSION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	DOGM
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON MAY 22, 2006.

Oil, Gas and Mining

5.307  
RM

Date: 05-01-07

By: [Signature]

MAY 01 2007

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RAMEY HOOPES

Title

REGULATORY CLERK

Signature

[Signature]

Date

April 24, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304738119  
**Well Name:** BITTER CREEK 1122-6C  
**Location:** NENW, SEC 6-T11S-R22E  
**Company Permit Issued to:** KERR-MCGEE OIL AND GAS ONSHORE LP  
**Date Original Permit Issued:** 5/22/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Ramey Hopper  
Signature

4/24/2007  
Date

Title: REGULATORY CLERK

Representing: KERR-MCGEE OIL AND GAS ONSHORE L

MAY 01 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED  
VERNAL FIELD OFFICE

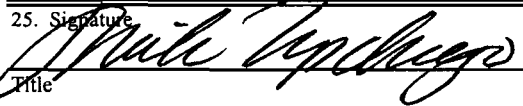
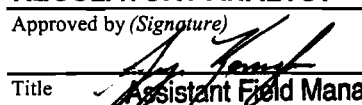
2006 MAY 11 PM 3:35  
FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000  
DEPT. OF THE INTERIOR  
BUREAU OF LAND MGMT.  
UTU-25880

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		6. If Indian, Allottee or Tribe Name
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		8. Lease Name and Well No. <b>BITTER CREEK 1122-6C</b>
3A. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>	3b. Phone No. (include area code) <b>(435) 781-7024</b>	9. API Well No. <b>43-047-38119</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>NENW 616'FNL, 1801'FWL (LOT 3)</b> At proposed prod. Zone		10. Field and Pool, or Exploratory <b>BITTER CREEK</b>
14. Distance in miles and direction from nearest town or post office* <b>39.7 MILES SOUTHEAST OF OURAY, UTAH</b>		11. Sec., T., R., M., or Blk. and Survey or Area <b>SEC 6, T11S, R22E</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>616'</b>	16. No. of Acres in lease <b>614.64</b>	12. County or Parish <b>UINTAH</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>	17. Spacing Unit dedicated to this well <b>40.00</b>	13. State <b>UTAH</b>
19. Proposed Depth <b>8630'</b>	20. BLM/BIA Bond No. on file <b>WYB000291</b> <b>BOND NO. 2971100-2533 / WY2357</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5511'GL</b>	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>5/10/2006</b>
Title <b>REGULATORY ANALYST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>TERRY KENCICKA</b>	Date <b>6-26-2007</b>
Title <b>Assistant Field Manager</b> <b>Lands &amp; Mineral Resources</b>	Office <b>VERNAL FIELD OFFICE</b>	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

JUL 02 2007

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

NOS 04/07/2006

06BM1485A

UDOGM



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Kerr-McGee Oil & Gas Onshore, LP Location: NENW Lot 3, Sec. 6, T11S, R22E  
Well No: Bitter Creek 1122-6C Lease No: UTU-25880  
API No: 43-047-38119 Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Vacant	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	

Fax: (435) 781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

***Surface COAs:***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hrs of the discovery, and a decision as to the preferred alternative/course of action will be rendered.
- The lessee/operator is given notice that lands in the lease have been identified as containing crucial pronghorn (antelope) habitat. It is requested that the lessee/operator not initiate surface disturbing activities or drilling from May 15 through June 20. A survey may be conducted by a qualified biologist or a BLM representative during this timing period to determine if pronghorn are in the area.
- The lessee/operator is given notice that lands in the lease have been identified as containing Golden Eagle nesting habitat. It is requested that the lessee/operator not initiate surface disturbing activities or drilling from February 1<sup>st</sup> through July 15<sup>th</sup>. A survey may be conducted by a qualified biologist or a BLM representative during this timing period to determine if golden eagles are nesting in the area.
- All fill and excess material will be kept out of the drainages.
- 4 to 6 inches of topsoil shall be stripped from the location and windrowed as shown on the cut sheet. The topsoil shall then be broadcast seeded with the recommended seed mix immediately after it has been windrowed and the seed walked into the soil with a dozer.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding shall take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.

**DOWNHOLE COAs:**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface casing.
- A cement Bond Log (CBL) shall be run from the production casing shoe to the surface casing shoe.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person



making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: Kerr-McGee Oil & Gas Onshore, LP

Well Name: Bitter Creek 1122-6-C

API No: 43-047-38119 Lease Type: Federal

Section 06 Township 11S Range 22 E County Uintah

Drilling Contractor Pete Martin Drilling Rig # Bucket

### **SPUDDED:**

Date 12-12-07

Time 9:30 AM

How Dry

**Drilling will Commence:** \_\_\_\_\_

Reported by Lou Weldon

Telephone # 435-828-7035

Date 12-13-07 Signed RM

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-7024

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739256	NBU 921-21L		NWSW	21	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	12/12/2007			<u>12/31/07</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 12/12/2007 AT 0800 HRS.							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737106	FEDERAL 1022-33F		SESW	33	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>A</u>	99999	<u>16560</u>	12/12/2007			<u>12/31/07</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 12/12/2007 AT 12:30 PM.							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738119	BITTER CREEK 1122-6C		NENW	6	11S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>A</u>	99999	<u>16563</u>	12/12/2007			<u>12/31/07</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 12/12/2007 AT 0930 HRS.							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

12/13/2007

Date

**RECEIVED**

**DEC 13 2007**

(5/2000)

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE/SW SEC. 6, T11S, R22E 616'FNL, 1801'FWL

5. Lease Serial No.

UTU-25880

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

BITTER CREEK 1122-6C

9. API Well No.

4304738119

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other WELL SPUD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 12/12/2007 AT 0930 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

December 13, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

DEC 14 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.

UTU-25880

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**BITTER CREEK 1122-6C**

9. API Well No.

4304738119

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

UINTAH COUNTY, UTAH

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/SW SEC. 6, T11S, R22E 616'FNL, 1801'FWL**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SET SURFACE</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>CSG</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU BILL MARTIN AIR RIG ON 12/18/2007. DRILLED 12 1/4" SURFACE HOLE TO 1860'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/150 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS THROUGHOUT JOB. 470 PSI LIFT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE NO CMT TO SURFACE. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE CMT TO SURFACE HOLE STAYED FULL.

WORT

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**December 26, 2007**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address 3b. Phone No. (include area code)  
**1368 SOUTH 1200 EAST VERNAL, UT 84078 (435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/SW SEC. 6, T11S, R22E 616'FNL, 1801'FWL**

5. Lease Serial No.

**UTU-25880**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**BITTER CREEK 1122-6C**

9. API Well No.

**4304738119**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>FINAL DRILLING OPERATIONS</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

**FINISHED DRILLING FROM 1860' TO 8450' ON 01/25/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/300 SX PREM LITE II @11.3 PPG 3.13 YIELD. TAILED CMT W/1000 SX 50/50 POZ @14.3 PPG DISPLACE W/130 BBLS PLUG BUMPED LAND CASING W/80,000# HANGER TESTED OK. CLEAN PITS**

**RELEASED PIONEER RIG 41 ON 01/27/2008 AT 0600 HRS.**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**January 28, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**

**FEB 05 2008**

**DIV. OF OIL, GAS & MINING**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE - Other instructions on reverse side***

5. Lease Serial No.

UTU-25880

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**BITTER CREEK 1122-6C**

9. API Well No.

4304738119

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE/SW SEC. 6, T11S, R22E 616'FNL, 1801'FWL**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>PRODUCTION START-UP</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 02/19/2008 AT 12:00 PM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

**RECEIVED**  
**FEB 25 2008**  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**February 21, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



Anadarko Petroleum Corporation  
1368 South 1200 East  
Vernal, UT 84078

## CHRONOLOGICAL WELL HISTORY

### **BITTER CREEK 1122-6C**

LOCATION NENW, SEC.6, T11S, R22E  
UINTAH COUNTY, UT

DATE	ACTIVITY	PIONEER 41	STATUS
11/05/07	LOCATION STARTED	PIONEER 41	
11/20/07	LOCATION COMPLETED	PIONEER 41	P/L IN, WOBR
12/12/07	SET CONDUCTOR	PIONEER 41	WOAR
12/18/07	SET AIR RIG	PIONEER 41	DRILL
12/27/07	9-5/8" @ 1824"	PIONEER 41	WORT
01/16/08	TD: 1860' Csg. 9 5/8" @ 1824' MW: 8.4 SD: 1/XX/08 DOL/DSS:1/0 RDRT, move trailers, lower derrick. Prepare to move rig f/ 1122-6A @ report time.		
01/17/08	TD: 1860' Csg. 9 5/8" @ 1824' MW: 8.4 SD: 1/XX/08 DOL/DSS:2/0 Move rig f/ 1122-6A. 100% moved and 40% rigged up @ report time.		
01/18/08	TD: 1860' Csg. 9 5/8" @ 1824' MW: 8.4 SD: 1/XX/08 DOL/DSS:3/0 RURT. NU BOPE. Prep to test BOPE @ report time.		
01/21/08	TD: 5640' Csg. 9 5/8" @ 1824' MW: 9.5 SD: 1/18/08 DOL/DSS:6/3 N/U and test BOP. P/U BHA. Drill f/1860'-5640' DA @ report time.		
01/22/08	TD: 6425' Csg. 9 5/8" @ 1824' MW: 10.5 SD: 1/18/08 DOL/DSS:7/4 Drill from 5640'-6425'. DA @ report time.		
01/23/08	TD: 7093' Csg. 9 5/8" @ 1824' MW: 11.0 SD: 1/18/08 DOL/DSS:9/6 Drill from 7093'-7093'. DA @ report time.		
01/24/08	TD: 7531' Csg. 9 5/8" @ 1824' MW: 11.2 SD: 1/18/08 DOL/DSS:10/7 Drill from 7093'-7531'. TFNB @ report time.		
01/25/08	TD: 8097' Csg. 9 5/8" @ 1824' MW: 12.2 SD: 1/18/08 DOL/DSS:11/8 TFNB. Drill from 7531'-8097'. DA @ report time.		
01/28/08	TD: 8450' Csg. 9 5/8" @ 1824' MW: 12.2 SD: 1/18/08 DOL/DSS:14/11 Drill from 8097'-8450' TD. Short trip and LDDS. Run Quad Combo. Run and cement 4 1/2" Production Casing. Land casing and release rig @ 0600 hrs 1/27/08. RDRT.		
02/08/08	<b>MIRU</b> Days On Completion: 1 Remarks:( DAY # 1 ) JSA # 1. RDMO OF BITTER CREEK 1122-6A, ROAD RIG TO BITTER CREEK 1122-6C, MIRU SERVICE UNIT AND SPOTTED EQUIP., ND/WH, NU/BOP, RU		

WORKING FLOOR & TBG EQUIP., SWI. SDFN. ( 24 HR PLAN, SDFWD, MONDAY PU/ TBG TIH CLEAN OUT PBTD.)

02/11/08

24 HR FORECAST: TAG PBTD, CIRC WELL, TOOH, ND/ BOP, NU/ FRAC TREE, TEST CSG & FRAC VALVE. SUMMARY: SAFETY & JSA MEETING # 2 FINISHED RIG UP PUMP & LINES, HOOK UP LINE FROM BOP TO PIT. SPOTTED TBG TRAILER ON LOC., TALLY NEW 2-3/8" TBG, PU/ RIH W/ 3-7/8" MILL AND 2-3/8" TBG, 268 JTS, TO @ 8,410', POOH 4 JTS, SWIFN.

02/12/08

24 HR FORECAST: PERF & FRAC THE M.V. SUMMARY: CIRC WELL CLEAN, TOOH W/ TBG, ND/ BOP, NU/ FRAC VALVE, TESTED CSG & FRAC VALVE TO 7500 #, OK.

02/13/08

# PERF AND FRAC

Days on Completion: 6

SUMMARY				
PERF AND FRAC M.V.				
OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00-8:00	1.00	46 P		SAFETY & JSA MEETING W/ BJ FRAC CREW
8:00-8:30	0.50	37 P	C	MIRU CUTTER WIRELINE, RIH W/ PERF GUNS AND PERF THE M.V. @ 8278' - 8250', 8298' - 8260', & 8310' - 8312', USING 3-3/8" EXP GUNS, 23 gm, 0.38 HOLE, 90° PHS, 4-SPF, 40 HOLES.
8:30-9:00	0.50	36 P	E	( STG # 1 ) WHP 0 #, RU/ BJ FRAC, PT SURFACE LINES TO 8500 #, BRK DN PERF 4029 # @ 3 B/M, INJ-RT = 46 B/M, INJ-P = 5700 #, ISIP = 3252 #, F.G. = .83, PMPD 3 BBLs 15% HCL AHEAD OF INJ., CALC 40/40 PERF OPEN, PMPD 6364 BBL SLK WTR & 19832 # 30/50 SD., ISIP = 3750 #, F.G. = .89, NPI = 499, MP = 6870 #, MR = 51.1 B/M, AP = 8173 #, AR = 50 B/M, 14.818 # 30/50 OTTAWA SD, 5014 # TLC SD, 21 GALS OF INFO-150, 28 GALS CLAYTREAT 3C, 17 GALS FRW-14, 124 GALS DVE 40 005.
9:00-10:00	1.00	37 P	C	( STG # 2 ) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 8098', PERF THE M.V. @ 8028' - 8032', & 8051' - 8056', 4-SPF USING 3-3/8" EXP GUNS, 23 gm, 0.38 HOLE, 90° PHS, 40 HOLES.
10:00-10:30	0.50	36 P	E	( STG # 2 ) WHP 220 #, BRK DN PERF @ 3255 #, @ 3 B/M, INJ-P = 5300 #, INJ-RT = 48.6 B/M, ISIP = 2820 #, F.G. = .81, CALC 40/40 PERF OPEN, PMPD 622.8 BBL SLK WTR & 21224 # 20/50 SD, ISIP = 3180 #, F.G. = .84, NPI = 260, MP = 6229 #, MR = 51.9 B/M, AP = 6020 #, AR = 60.4 B/M, 16210 # 30/50 OTTAWA SD, 5014 TLC SD, 24 GALS CLAYTREAT 3C, 13 GALS FRW-14, 15 GALS INFO-150, 89 GALS DVE 40 005.
10:30-11:30	1.00	37 P	C	( STG # 3 ) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7734', PERF THE M.V. @ 7303' - 7610', 2-SPF, 7882' - 7630', & 7748' - 7754' 4-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.38 HOLES, 90° PHS, 40 HOLES.
11:30-12:30	1.00	36 P	E	( STG # 3 ) WHP 245 #, BRK DN PERF @ 2984 # @ 3 B/M, INJ-P = 3690 #, INJ-RT = 50.1 B/M, ISIP = 1360 #, F.G. = .70, CALC 40/40 PERF OPEN, PMPD 1462.7 BBLs SLK WTR & 59021 # 30/50 SD., ISIP = 2220 #, F.G. = .73, NPI = 230, MP = 4015 #, MR = 50.3 B/M, AP = 3729 #, AR = 50.3, 54017 # 30/50 OTTAWA SD, 5014 # TLC SD, 82 GALS CLAYTREAT 3C, 30 GALS FRW-14, 66 GALS INFO-150, 127 GALS DVE 40 005.
12:30-13:15	0.75	37 P	C	( STG # 4 ) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7385', PERF THE M.V. @ 7140' - 7143', 7298' - 7290', & 7336 - 7339', USING 3-3/8" EXP GUNS, 23 gm, 0.38 HOLE, 3-SPF, 39 HOLES.
13:15-14:00	0.75	36 P	E	( STG # 4 ) WHP 270 #, BRK DN PERF @ 2772 # @ 3 B/M, INJ-P = 4350 #, INJ-RT = 50.2 B/M, ISIP = 1950 #, F.G. = .71, CALC 37/39 PERF OPEN, PMPD 2163.7 BBLs SLK WTR, 81631 # 30/50 SD., ISIP = 2800 #, F.G. = .80, NPI = 650, MP = 4380 #, MR = 50.4 B/M, AP = 4115 #, AR = 60.3 B/M, 76670 # 30/50 OTTAWA SD., 5015 # 20/40 TLC SD., 94 GAL CLAYTREAT 3C, 47 GAL FRW-14, 85 GALS INFO-150, 160 GALS DVE 40 005.
14:00-15:00	1.00	37 P	C	( STG # 5 ) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7080', PERF THE M.V. @ 7018' - 7030', USING 3-3/8" EXP GUN, 23 gm, 0.38 HOLE, 90° PHS, 3-SPF, 42 HOLES.
15:00-16:00	1.00	36 P	E	( STG # 5 ) WHP = 170 #, BRK DN PERF @ 3275 # @ 3 B/M, INJ-P = 4270 #, INJ-RT = 60.7 B/M, ISIP = 1610 #, F.G. = .70, CALC 34/42 PERF OPEN, PMPD 3098 BBLs SLK WTR & 119215 # 30/50 SD., ISIP = 3080 #, F.G. = .88, NPI = 1250, MP = 4425 #, MR = 50.4 B/M, AP = 4270 #, AR = 60.0 B/M, 113201 # 30/50 OTTAWA SD, 5014 # 20/40 TLC SD., 126 GALS CLAYTREAT 3C, 63 GALS FRW-14, 123 GALS INFO-150, 190 GALS DVE 40 005.
16:00-17:00	1.00	37 P	C	( STG # 5 ) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 5648', PERF THE M.V. @ 5602' - 5608', & 5612' - 5618', USING 3-3/8" EXP GUNS, 23 gm, 0.38 HOLE, 90° PHS, 4-SPF, 40 HOLES.
17:00-17:00	0.00	34 P	I	( KILL PLUG ) RIH W/ BAKER 8K CBP, SET CBP @ 6852', POOH, RIG DOWN CUTTER & BJ FRAC. SWIFN.  TOTAL FLUID = 2312 BBL SLK WTR. TOTAL SAND = 353934 # TOTAL INFO-150 = 353 GALS. TOTAL CLAYTREAT 3C = 386 GALS. TOTAL DVE 40 005 = 544 GALS. (SCALE INHIB. TOTAL FRW-14 = 198 GALS.
17:00-17:00	0.00	36 P	E	( STG # 6 ) WHP = 50 #, BRK DN PERF @ 3939 #, @ 3 B/M, INJ-P = 4925 #, INJ-RT = 43.9 B/M, ISIP = 3100 #, F.G. = .69, CALC 40/40 PERF OPEN, PMPD 1303 BBLs SLK WTR & 53943 # SD., ISIP = 3250 #, F.G. = .61, NPI = 180, MP = 5300 #, MR = 50.3 B/M, AP = 4585 #, AR = 49.5 B/M, 49634 # 30/50 OTTAWA SD., 5014 # 20/40 TLC SD., 51 GALS CLAYTREAT 3C, 23 GALS FRW-14, 49 GALS INFO-150, 55 GALS DVE 40 005. GOOD JOB

02/14/08      **FLOWBACK REPORT:** CP 700#, TP 400#, CK 20/64", 80 BWPH, LOAD REC'D 2910 BBLS,  
REMAINING LTR 7122 BBLS

02/16/08      **ON SALES:** 0 MCF, 0 BC, 840 BW, TP: 700#, CP: 2500#, 20/64 CHK, 0 HRS, LP: 0#.

02/17/08      **FLOWBACK REPORT:** CP 2100#, TP 1300#, CK 20/64", 20 BWPH, LOAD REC'D 610 BBLS,  
REMAINING LTR 4632 BBLS

**ON SALES:** 0 MCF, 0 BC, 480 BW, TP: 1300#, CP: 2300#, 20/64 CHK, 0 HRS, LP: 0#

02/18/08      **FLOWBACK REPORT:** CP 1900#, TP 1150#, CK 20/64", 15 BWPH, LOAD REC'D 405 BBLS,  
REMAINING LTR 4227 BBLS

**ON SALES:** 0 MCF, 0 BC, 480 BW, TP: 1300#, CP: 2300#, 20/64 CHK, 0 HRS, LP: 0#

02/19/08      **ON SALES:** 0 MCF, 0 BC, 360 BW, TP: 1150#, CP: 1900#, 20/64 CHK, 0 HRS, LP: 0#

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE LP

3. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements) \*

At surface

NE/NW 616'FNL, 1801'FWL LOT 3

At top prod. interval reported below

At total depth

14. Date Spudded

12/12/07

15. Date T.D. Reached

01/25/08

16. Date Completed

02/19/08

☒ Ready to Prod.

18. Total Depth: MD

8450'

TVD

19. Plug Back T.D.: MD

8406'

TVD

20. Depth Bridge Plug Set: MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL-COL-GR, BCS, SD, DSN, ACTR

22. Was well cored? ☒ No ☐ Yes (Submit copy)

Was DST run? ☒ No ☐ Yes (Submit copy)

Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		1860'		575 SX			
7 7/8"	4 1/2"	11.6#		8450'		1300 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	8410'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	6902'	8312'	6902'-8312'	0.36	241	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
6902'-8312'	PMP 9311 BBLS SLICK H2O & 353,934# 30/50 SD

RECEIVED

MAR 28 2008

DIV. OF OIL, GAS & MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/19/08	02/22/08	24	→	2	1,949	360			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 190#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	SI	933#	→	2	1949	360			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)**SOLD**

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	4039' 6588'	6588'			

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)      2. Geologic Report      3. DST Report      4. Directional Survey  
5. Sundry Notice for plugging and cement verification      5. Core Analysis      7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (*please print*) SHEILA UPCHEGOTitle SENIOR LAND ADMIN SPECIALISTSignature Date 03/25/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

UTU-25880

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

BITTER CREEK 1122-6C

9. API Well No.

4304738119

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE/SW SEC. 6, T11S, R22E 616'FNL, 1801'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION RECOMPLETION ON THE SUBJECT WELL LOCATION.  
THE OPERATOR PROPOSES TO COMPLETE THE MESAVERDE AND WASATCH INTERVALS. THE  
OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE MESAVERDE AND WASATCH  
INTERVALS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 7.16.2008

Initials: KS

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Signature

Title

SENIOR LAND ADMIN SPECIALIST

Date

June 23, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Utah Division of

Oil, Gas and Mining

Date

Federal Approval Of This

Action Is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

JUN 26 2008

DIV. OF OIL, GAS & MINING

**Name:** Bitter Creek 1122-6C  
**Location:** NENW Sec 6 T11S R22E  
**Uintah County, UT**  
**Date:** 05/15/2008

**ELEVATIONS:** 5511 GL 5529 KB

**TOTAL DEPTH:** 8450 **PBTD:** 8406  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 1845'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 8404'  
 Marker Joint 3906-3931'

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**TOPS:**

1915' Green River  
 1560' Mahogany  
 4039' Wasatch  
 6518' Mesaverde

**Existing Perforations:**

Zones	Perforations		SPF	Holes
	Top, ft	Bottom, ft		
MESAVERDE	6902	6906	4	16
MESAVERDE	6912	6918	4	24
MESAVERDE	7016	7030	3	42
MESAVERDE	7140	7143	3	9
MESAVERDE	7285	7290	3	15
MESAVERDE	7330	7335	3	15
MESAVERDE	7608	7610	2	4
MESAVERDE	7686	7690	4	16
MESAVERDE	7749	7754	4	20
MESAVERDE	8028	8033	4	20
MESAVERDE	8051	8056	4	20
MESAVERDE	8276	8280	4	16
MESAVERDE	8286	8290	4	16
MESAVERDE	8310	8312	4	8



## GENERAL:

- A minimum of **26** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 01/25/2008
- **4** fracturing stages required for coverage.
- Procedure calls for 5 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and ½ the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump **resin coated sand** last 5,000# of all frac stages
- Current Tubing Landed @~7653

## PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. PU tag joints and tag bottom. Clean out to PBTD by circulating hole clean with recycled water or with foam unit if necessary.
3. With slickline, RI w/ standing valve and set in SN. Test tubing to 2000 psi. TOOH with 2-3/8", 4.7#, J-55 tubing, currently landed at ~7653'. Visually inspect for scale and consider replacing if needed.
4. Set 8000 psi CBP at ~ 6850'. Pressure test BOP and casing to 6000 psi.
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	6610	6620	4	40
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6560' and trickle 250gal 15%HCL w/ scale inhibitor in flush . NOTE: Rate is 40 bpm.
7. Set 8000 psi CBP at ~6436'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6357	6360	4	12
WASATCH	6399	6406	4	28

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6307' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~6291'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6168	6170	3	6
WASATCH	6190	6196	3	18
WASATCH	6255	6261	3	18

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6118' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~5833'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5709	5712	4	12
WASATCH	5796	5803	4	28

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5659' and flush only with recycled water.

13. Set 8000 psi CBP at ~5659'

14. TIH with 3 7/8" bit, SLIDING SLEEVE, pump off sub, SN and tubing.

15. Drill plugs and clean out to 6840'. This well will not be commingled. Land tubing at ±6580'. DO NOT pump off bit.

16. RDMO

**For design questions, please call**  
**Curtis Caile, Denver, CO**  
**(406)-490-2742 (Cell)**  
**(720)-929-6194 (Office)**

**For field implementation questions, please call**  
**Robert Miller, Vernal, UT**  
**4350781 7041 (Office)**

**NOTES:**

Per discussion with Matt R. It is ok to frac into the sand at 6550 but we are trying to limit the damage so the frac size was reduced to 1500 gal/ft and the rate slowed to 40 bpm. Stage 3 perfs were picked with Rachel M.

Fracturing Schedules  
 Bitter Creek 1122-8C  
 Slickwater Frac Re Completion

3963.8262  
 94.3768143

Stage	Zone	Feet of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
			Top, ft.	Bot, ft.															
1	MESAVERDE	25	6610	6620	4	40	Varied	Pump-in test			Slickwater	0	0						
	MESAVERDE	2		No Perfs				0 ISIP and 5 min ISIP											42
	MESAVERDE	3		No Perfs			40	Slickwater Pad			Slickwater	238	238	15.0%	0.0%	0	0		30
	MESAVERDE	15		No Perfs			40	Slickwater Ramp	0.25	1.25	Slickwater	795	1,033	50.0%	39.7%	25,031	25,031		50
	MESAVERDE	0					40	Slickwater Ramp	1.25	2	Slickwater	556	1,589	35.0%	60.3%	37,964	62,995		0
	MESAVERDE	0					40	Flush (4-1/2")				102	1,681				62,995		42
	MESAVERDE	0						ISDP and 5 min ISDP											164
		45	# of Perfs/stage			40						Flush depth	6560		gal/ft	1,500	1,416	lbs sand/ft	
							44.1	<< Above pump time (min)										124	
2	WASATCH	7	6357	6360	4	12	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	6	6399	6406	4	28		0 ISIP and 5 min ISIP											
	WASATCH	3		No Perfs			50	Slickwater Pad			Slickwater	384	384	15.0%	0.0%	0	0		48
	WASATCH	6		No Perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	1,280	1,664	50.0%	39.7%	40,313	40,313		81
	WASATCH	2		No Perfs			50	Slickwater Ramp	1.25	2	Slickwater	896	2,560	35.0%	60.3%	61,141	101,453		0
	WASATCH	20		No Perfs			50	Flush (4-1/2")				98	2,658				101,453		41
	WASATCH	0						ISDP and 5 min ISDP											170
		43	# of Perfs/stage			40						Flush depth	6307		gal/ft	2,500	2,359	lbs sand/ft	
							55.5	<< Above pump time (min)										16	LOOK
3	WASATCH	3	6168	6170	3	6	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	2	6190	6196	3	18		0 ISIP and 5 min ISIP											
	WASATCH	6	6255	6261	3	18	50	Slickwater Pad			Slickwater	647	647	15.0%	0.0%	0	0		82
	WASATCH	2		No Perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	2,156	2,803	50.0%	39.7%	67,922	67,922		136
	WASATCH	3		No Perfs			50	Slickwater Ramp	1.25	2	Slickwater	1,509	4,313	35.0%	60.3%	103,015	170,937		0
	WASATCH	7		No Perfs			50	Flush (4-1/2")				95	4,408				170,937		38
	WASATCH	1		No Perfs				ISDP and 5 min ISDP											255
		81	# of Perfs/stage			42						Flush depth	6118		gal/ft	2,250	2,123	lbs sand/ft	
							92.0	<< Above pump time (min)										285	
4	WASATCH	4	5709	5712	4	12	Varied	Pump-in test			Slickwater	0	0						
	WASATCH	6	5796	5803	4	28		0 ISIP and 5 min ISIP											
	WASATCH	1		No Perfs			50	Slickwater Pad			Slickwater	346	346	15.0%	0.0%	0	0		44
	WASATCH	33		No Perfs			50	Slickwater Ramp	0.25	1.25	Slickwater	1,152	1,497	50.0%	39.7%	36,281	36,281		73
	WASATCH	0					50	Slickwater Ramp	1.25	2	Slickwater	806	2,304	35.0%	60.3%	55,027	91,308		0
	WASATCH	0					50	Flush (4-1/2")				88	2,392				91,308		0
	WASATCH	0						ISDP and 5 min ISDP											116
		43	# of Perfs/stage			40						Flush depth	5659		gal/ft	2,250	2,123	lbs sand/ft	
							49.9	<< Above pump time (min)										0	LOOK
Totals		211				162						gals bbls	11,144 bbls			Total Sand	426,693		
							4.0						24.8 tanks				Total Scale Inhib. =		705

Bitter Creek 1122-6C  
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	6610	6620	4	40	6596.5	to	6621.5
	MESAVERDE		No Perfs			6622.5	to	6624.5
	MESAVERDE		No Perfs			6629.5	to	6632
	MESAVERDE		No Perfs			Lump Pay	to	
	# of Perfs/stage				40	CBP DEPTH	6,436	
2	WASATCH	6357	6360	4	12	6354	to	6361
	WASATCH	6399	6406	4	28	6395	to	6400.5
	WASATCH		No Perfs			6403	to	6405.5
	WASATCH		No Perfs			6406	to	6412
	WASATCH		No Perfs			6413.5	to	6415.5
	WASATCH		No Perfs			Lump Pay	to	
	# of Perfs/stage				40	CBP DEPTH	6,291	
3	WASATCH	6168	6170	3	6	6166.5	to	6169.5
	WASATCH	6190	6196	3	18	6175	to	6177
	WASATCH	6255	6261	3	18	6179	to	6184.5
	WASATCH		No Perfs			6190	to	6191.5
	WASATCH		No Perfs			6193	to	6196
	WASATCH		No Perfs			6213	to	6220
	WASATCH		No Perfs			6229	to	6229.5
	WASATCH		No Perfs			6233	to	6234
	WASATCH		No Perfs			6253.5	to	6255
	WASATCH		No Perfs			6259	to	6261
	WASATCH		No Perfs			6263	to	6264
	WASATCH		No Perfs			6273.5	to	6274
	WASATCH		No Perfs			Lump Pay	to	
	# of Perfs/stage				42	CBP DEPTH	5,833	
4	WASATCH	5709	5712	4	12	5709	to	5713
	WASATCH	5796	5803	4	28	5798	to	5803.5
	WASATCH		No Perfs			5812.5	to	5813
	WASATCH		No Perfs			Lump Pay	to	
	# of Perfs/stage				40	CBP DEPTH	5,659	
Totals					162			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.

UTU-25880

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**BITTER CREEK 1122-6C**

9. API Well No.

4304738119

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

nw  
NE/SW SEC. 6, T11S, R22E 616'FNL, 1801'FWL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL LOCATION.  
THE OPERATOR HAS PLACED THE SUBJECT WELL BACK ON PRODUCTION ON 08/18/2008 AT  
12:00 PM.

PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

**RECEIVED**  
**AUG 25 2008**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

REGULATORY ANALYST

Signature

Date

August 21, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**DIV. OF OIL, GAS & MINING**

<b>Wins No.:</b> 95753		<b>BITTER CREEK 1122-6C</b>		<b>API No.:</b> 4304738119	
<b>EVENT INFORMATION:</b>		EVENT ACTIVITY: RECOMPLETION		START DATE: 8/4/2008	
		OBJECTIVE: DEVELOPMENT		END DATE:	
		OBJECTIVE 2: RECOMPLETE		DATE WELL STARTED PROD.: 1	
		REASON: WAS RECOMPLETE		Event End Status:	
<b>RIG OPERATIONS:</b>		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start
				Finish Drilling	Rig Release
					Rig Off Location
KEY 59 / 59					
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de
P/U					
Operation					
8/5/2008	<b>SUPERVISOR:</b> JEFF SAMUELS <span style="float: right;"><b>MD:</b></span> 7:00 - 17:00      10.00      COMP      31      I      P      7:00 A.M. HSM ROAD RIG & EQUIP F/ B.C. 1122-5B TO LOC. MIRU. FTP 0#, NDWH. NUBOPE. UNLAND TBG @ 7653' & POOH W/ TBG. L/D BHA. NDBOPE. NU FRAC VLV'S. MIRU W.L. P/U 3.64" G.R. & RIH TO 6670'. X-O POOH. P/U 4 1/2" CIBP & RIH. SET CIBP @ 6645'. POOH. MIRU B&C QUICK TST. FILL CSG & PSI TST CSG & FRAC VLV'S TO 6200# (HELD). RDMO B&C. P/U 3 1/8" EXP PERF GUNS LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING & RIH. SHOOT STG 1 PERF'S W/ 40 HOLES F/ 6610' - 20'. POOH. SWI. PREP TO FRAC IN A.M. SDFN				
8/6/2008	<b>SUPERVISOR:</b> JEFF SAMUELS <span style="float: right;"><b>MD:</b></span> 7:00 - 18:00      11.00      COMP      36      B      P      7:00 A.M. HSM MIRU SUPERIOR FRAC SVC. MIRU C.H.S. W.L. WAIT ON SUCTION HOSES (2 HRS). PRIME PMP'S. PSI TST LINES TO 7500# (HELD). PREP TO FRAC  NOTE: ALL STAGES SHOT W/ 3 1/8" EXP PERF GUNS, LOADED W/ 23 GM CHARGES, 3 & 4 SPF. 90 & 120 DEG PHASING. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S. ALL STAGES INCLUDE NALCO DVE-005 SCALE INHIB. 3 GPT IN PAD & 1/2 RAMP, 10 GPT IN FLUSH & PRE PAD. ALL CLEAN FLUID INCLUDE NALCO BIOCIDES .25 GPT. ALL ZONES TREATED W/ 30/50 SAND TAILED IN W/ 5000# TLC SAND  STG 1: BRK DWN PERF'S @ 4277#, EST INJ RT @ 40 BPM @ 3550#, ISIP 2170#, FG .76. TREAT STG 1 W/ 6355# TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1684 BBLS. ISIP 2560#, NPI 390#, FG .83  STG 2: P/U 3 1/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 6436'. P/U SHOOT 28 HOLES F/ 6399' - 6406', P/U SHOOT 12 HOLES F/ 6357' - 6360'. POOH. BRK DWN PERF'S @ 6371#, EST INJ RT @ 49.7 BPM @ 4350#, ISIP 2376#, FG .81, W/ 37000# SAND GONE. BLEW A CHICKSAND ON DISCHARGE LINE. SWI. MAKE REPAIRS. FLOW WELL BACK WHILE MAKE REPAIRS. CLEAN UP TRUCKS & RESUME FRAC. TREAT STG 2 W/ 97860# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 3078#. ISIP 3012#, NPI 734, FG .91  STG 3: P/U 3 1/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 6291'. P/U SHOOT 18 HOLES F/ 6255' - 61', P/U SHOOT 18 HOLES F/ 6190' - 96', P/U SHOOT 6 HOLES F/ 6168' - 70'. POOH. BRK DWN PERF'S @ 6059#, EST INJ RT @ 49.3 BPM @ 4180#, ISIP 2970#, FG .91, TREAT STG 3 W/ 163,376# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 4229 BBLS. ISIP 2720#, NPI -250#, FG .87  SWI. SDFN				
8/7/2008	<b>SUPERVISOR:</b> JEFF SAMUELS <span style="float: right;"><b>MD:</b></span>				

Wins No.: 95753		BITTER CREEK 1122-6C						API No.: 4304738119	
	7:00 - 17:00	10.00	COMP	36	B	P	7:00 A.M. HSM		
							STG 4: P/U 3 1/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 5833'. P/U SHOOT 28 HOLES F/ 5796' - 5803', P/U SHOOT 12 HOLES F/ 5709' - 12'. POOH. BRK DWN PERF'S @ 3644#, EST INJ RT @ 45.8 BPM @ 3720#, ISIP 1960#, FG .78, TREAT STG 4 W/ 95,421# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2663 BBLs. ISIP 2372#, NPI 412#, FG .84		
							P/U 4 1/2" CBP & RIH. SET KILL PLUG @ 5659'. POOH. RDMO C.H.S. RDMO SUPERIOR. ND FRAC VLV'S. NUBOPE. P/U 3 7/8" BIT, POBS & RIH, TAG KILL PLUG @ 5659'. L/D 1 JT. R/U DRL EQUIP. PREP TO DRL CBP'S IN A.M. SWI. SDFN		
8/8/2008	SUPERVISOR: JEFF SAMUELS							MD:	
	7:00 - 18:00	11.00	COMP	44	C	P	7:00 A.M. HSM		
							BRK CONV CIRC W/ 2% KCL & BEG TO DRL		
							DRL UP KILL PLUG @ 5659', (500# PSII INC). CONT TO RIH. TAG FILL @ 5803', (30' FILL). C/O TO 2ND CBP @ 5833'.		
							DRL UP 2ND CBP (200# PSI INC). CONT TO RIH. TAG FILL @ 6230', (31' FILL). C/O TO 3RD CBP @ 6261'.		
							DRL UP 3RD CBP (150# PSI INC). CONT TO RIH. TAG FILL @ 6406', (30' FILL). C/O TO 4TH CBP @ 6436'.		
							DRL UP 4TH CBP (100# PSI INC). CONT TO RIH. TAG FILL @ 6603', (42' FILL). C/O TO CIBP @ 6645'.		
							DRL UP CIBP (WELL WENT ON VACUUM). MIRU AIR FOAM UNIT & BRK CONV CIRC (2 HRS). CONT TO RIH. TAG FILL @ 8235' (113' FILL). DRL ON FILL FOR 1 HR THEN BEG TO MAKE HOLE. C/O TO PBTD @ 8348'.		
							CIRC WELL CLEAN. POOH L/D 55 JTS TBG ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 6485'. NDBOPE, NUWH. DROP BALL & PMP OFF THE BIT SUB @ 1800#. BRK CIRC W/ AIR FOAM UNIT DWN CSG UP TBG. R/U FLOW BACK EQUIP & TURN OVER TO FLOW BACK CREW.		
							SICP 0# FTP 0# 48/64 CHOKE		
8/9/2008	SUPERVISOR: JEFF SAMUELS					I		MD:	
	7:00 -			33	A		7 AM FLBK REPORT: CP 600#, TP 50#, 18/64" CK, 8 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 835 BBLs LEFT TO RECOVER: 10819		
8/10/2008	SUPERVISOR: JEFF SAMUELS							MD:	
	7:00 -			33	A		7 AM FLBK REPORT: CP 850#, TP 100#, 20/64" CK, 12 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 835 BBLs LEFT TO RECOVER: 9730		
8/11/2008	SUPERVISOR: JEFF SAMUELS							MD:	
	7:00 -			33	A		7 AM FLBK REPORT: CP 1200#, TP 100#, OPEN/64" CK, 52 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 1924 BBLs LEFT TO RECOVER: 9730		
8/12/2008	SUPERVISOR: JEFF SAMUELS							MD:	
	7:00 -			33	A		7 AM FLBK REPORT: CP 1400#, TP 250#, 20/64" CK, 19 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 2488 BBLs LEFT TO RECOVER: 9166		
8/13/2008	SUPERVISOR: JEFF SAMUELS							MD:	
	7:00 -			33	A		7 AM FLBK REPORT: CP 1400#, TP 350#, 20/64" CK, 20 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 2928 BBLs LEFT TO RECOVER: 8726		
8/14/2008	SUPERVISOR: JEFF SAMUELS							MD:	

Wins No.: 95753		BITTER CREEK 1122-6C		API No.: 4304738119
7:00 -		33	A	7 AM FLBK REPORT: CP 1200#, TP 350#, 24/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3398 BBLS LEFT TO RECOVER: 8256
8/15/2008	<u>SUPERVISOR:</u> JEFF SAMUELS			<u>MD:</u>
7:00 -		33	A	7 AM FLBK REPORT: CP 1175#, TP 400#, 24/64" CK, 18 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 3842 BBLS LEFT TO RECOVER: 7812
8/18/2008	<u>SUPERVISOR:</u> JEFF SAMUELS			<u>MD:</u>
12:00 -	PROD			WELL TURNED TO SALES @ 1200 HR ON 8/18/2008 - FTP 265#, CP 865#, CK 20/64", 420 MCFD, 420 BWPD



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

5. Lease Serial No.  
UTU-25880

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☐ New ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other Report

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE LP

3. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements) \*

At surface

NE/NW 616'FNL, 1801'FWL LOT 3

At top prod. interval reported below

At total depth

14. Date Spudded

12/12/07

15. Date T.D. Reached

01/25/08

16. Date Completed

☐ D & A ☒ Ready to Prod.  
08/18/08

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

BITTER CREEK 1122-6C

9. API Well No.

4304738119

10. Field and Pool, or Exploratory

BITTER CREEK

11. Sec., T., R., M., or Block and  
Survey or Area SEC. 6, T11S, R22E

12. County or Parish

UINTAH

13. State

UTAH

17. Elevations (DF, RKB, RT, GL)\*

5511'GL

18. Total Depth: MD 8450'  
TVD

19. Plug Back T.D.: MD 8348'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

N/A

22. Was well cored? ☒ No ☐ Yes (Submit copy)  
Was DST run? ☒ No ☐ Yes (Submit copy)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		1860'		575 SX			
7 7/8"	4 1/2"	11.6#		8450'		1300 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	6485'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5709'	6620'	5709'-6620'	0.36	162	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
5709'-6620'	PMP 11,654 BBLS SLICK H2O & 411,065# 30/50 OTTOWA SD

RECEIVED

SEP 11 2008

28. Production - Interval A

DIV. OF OIL, GAS & MINING

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/18/08	08/17/08	24	→	0	531	732			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 366#	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
24/64	SI	668#	→	0	531	732			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
	SI		→						

(See instructions and spaces for additional data on reverse side)

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	4039'	6588'			

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

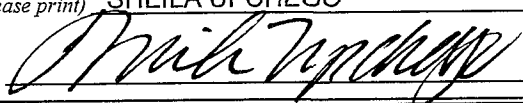
1. Electrical/Mechanical Logs (1 full set req'd.)      2. Geologic Report      3. DST Report      4. Directional Survey  
5. Sundry Notice for plugging and cement verification      5. Core Analysis      7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature



Date 09/08/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.